

2004 Water Quality Assessment (Final) - Category 5 Listings for WRIA 5

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
5	6444	5	N	CANYON CREEK Department of Ecology unpublished data from the Stillaguamish TMDL Study shows a 7-day mean of daily maximum values of 20.6 for week ending 15 August 2001 at station 05C01 (Canyon Creek nr mouth).	RR46TS	1.488	30N	07E	06	Temperature		Water
5	15568	5	N	CANYON CREEK Stillaguamish Tribe unpublished data shows a 7-day mean of daily maximum values of 19.99 at the station 77 (Canyon Creek near mouth) in 2001.	RR46TS	0	30N	06E	12	Temperature		Water
5	15569	5	N	CANYON CREEK Stillaguamish Tribe unpublished data shows a 7-day mean of daily maximum values of 19.72 at the station 43 (Canyon Creek @ Masonic Park) in 2001.	RR46TS	8.219	30N	07E	03	Temperature		Water
5	9777	5	N	COOK SLOUGH Data from the Dept. of Ecology EIM database for the Project STILTMDL (STILLAGUAMISH TMDL) station 05TCOOK (COOK SLOUGH AT HWY 530 BRIDGE) shows the geometric mean of 132 exceeds the criterion and that 60 % of the samples exceeds the percentile criterion from 5 samples collected during 2001. Data from the Dept. of Ecology EIM database for the Project STILTMDL (STILLAGUAMISH TMDL) station 05TCOOK (COOK SLOUGH AT HWY 530 BRIDGE) shows the geometric mean of 32 does not exceed the criterion and that 0 % of the samples does not exceed the percentile criterion from 2 samples collected during 2000.	DC37MN	0.136	31N	04E	01	Fecal Coliform		Water
5	6454	5	Y	DEER CREEK Department of Ecology unpublished data from the Stillaguamish TMDL Study shows a 7-day mean of daily maximum values of 21.5 for week ending 15 August 2001 at station 05D01 (Deer Creek at Bunker house).	PA13UD	0.049	32N	07E	08	Temperature		Water
5	6455	5	Y	DEER CREEK Department of Ecology unpublished data from the Stillaguamish TMDL Study shows a 7-day mean of daily maximum values of 22.6 for week ending 15 August 2001 at station 05D03 (Deer Creek abv Little Deer).	PA13UD	21.599	34N	07E	35	Temperature	TRS updated from 1998 List, was 34N-07E-36. -kk	Water
5	7188	5	N	DEER CREEK Sullivan, et al. 1990., multiple excursions beyond the criterion at RM 14 during 8/88.	PA13UD	25.16	33N	07E	01	Temperature	Continuous temperature measurements were taken, but data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.	Water

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				Basis								
5	21970	5	N	GLADE BEKKEN	FJ67XF	0.762	31N	04E	03	Fecal Coliform		Water
				Snohomish County unpublished data from station TR30 (ON SILVANA TERRACE ROAD BY WAVERLY GARDENS NURSERY) shows a geometric mean of 207 cfu/100mL with 55% of samples exceeding the percentile criterion from 11 samples collected in 1998.								
				Snohomish County unpublished data from station TR30 (ON SILVANA TERRACE ROAD BY WAVERLY GARDENS NURSERY) shows a geometric mean of 158 cfu/100mL with 50% of samples exceeding the percentile criterion from 8 samples collected in 2002.								
				Snohomish County unpublished data from station TR30 (ON SILVANA TERRACE ROAD BY WAVERLY GARDENS NURSERY) shows a geometric mean of 127 cfu/100mL with 42% of samples exceeding the percentile criterion from 12 samples collected in 2001.								
				Snohomish County unpublished data from station TR30 (ON SILVANA TERRACE ROAD BY WAVERLY GARDENS NURSERY) shows a geometric mean of 125 cfu/100mL with 27% of samples exceeding the percentile criterion from 11 samples collected in 1999.								
				Snohomish County unpublished data from station TR30 (ON SILVANA TERRACE ROAD BY WAVERLY GARDENS NURSERY) shows a geometric mean of 81 cfu/100mL with 25% of samples exceeding the percentile criterion from 12 samples collected in 2000.								
				Data from the Dept. of Ecology EIM database for the Project STILTMDL (STILLAGUAMISH TMDL) station 05TGLAD (GLADE BEKKEN) shows the geometric mean of 21 does not exceed the criterion and that 0 % of the samples does not exceed the percentile;								
				Data from the Dept. of Ecology EIM database for the Project STILTMDL (STILLAGUAMISH TMDL) station 05TGLAD (GLADE BEKKEN) shows the geometric mean of 1952 exceeds the criterion and that 100 % of the samples exceeds the percentile criterion fr;								
5	7198	5	Y	HIGGINS CREEK	BH79GG	1.583	32N	07E	20	Temperature		Water
				Sullivan, et al. 1990, 22 excursions beyond the criterion during 8/88.								Continuous temperature measurements were taken, but data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.
5	43042	5	N	IRVINE SLOUGH	HS19KT	0	32N	03E	24	Fecal Coliform		Water
				Data from the Dept. of Ecology EIM database for the Project STILTMDL (STILLAGUAMISH TMDL) station 05TIRVIN (IRVINE SLOUGH AT TIDE GATE) shows the geometric mean of 1329.86 exceeds the criterion and that 6 of 6 samples (100.0%) exceeded the percentile criterion in year 2001; and 3 of 3 samples (100.0%) exceeded the percentile criterion in year 2000.								
5	6445	5	N	JIM CREEK	JU33JU	0	31N	06E	07	Temperature		Water
				Department of Ecology unpublished data from the Stillaguamish TMDL Study shows a 7-day mean of daily maximum values of 19.5 for week ending 15 August 2001 at station 05J01 (Jim Creek at mouth).								
5	15570	5	N	JIM CREEK	JU33JU	0.174	31N	06E	08	Temperature		Water
				Stillaguamish Tribe unpublished data shows a 7-day mean of daily maximum values of 19.47 at the station 59 (Jim Creek @ Jordan Rd.) in 2001.								
				Data from the Dept. of Ecology EIM database for the Project STILTMDL (STILLAGUAMISH TMDL) station 05TJIMCK (JIM CREEK AT JORDAN ROAD) shows 0 excursions beyond the criterion out of 4 samples collected between 08/00 - 11/01 .								

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5	15571	5	N	JIM CREEK	JU33JU	4.411	31N	06E	16	Temperature		Water
				Stillaguamish Tribe unpublished data shows a 7-day mean of daily maximum values of 18.98 at the station 160 (Jim Creek @ Whites Rd) in 2001.								
5	7238	5	Y	JORGENSEN SLOUGH (CHURCH CREEK)	GH05SX	6.581	32N	04E	16	Dissolved oxygen		Water
				Paulsen et al. 1991 , 4 excursions beyond the criterion at RM 4.0, measured between 9/89 and 5/91.								Referenced data on dissolved oxygen is not in the administrative record. The water segment is listed as Category 5 based on the 1998 assessment.
5	9780	5	N	KACKMAN CREEK	XB43NX	1.467	32N	05E	28	Fecal Coliform		Water
				Data from the Dept. of Ecology EIM database for the Project STILTMDL (STILLAGUAMISH TMDL) station 05TKACK (AT KACKMAN CREEK ON 252 ST NE) shows the geometric mean of 252 exceeds the criterion and that 25 % of the samples exceeds the percentile criterion from 4 samples collected during 2001. Data from the Dept. of Ecology EIM database for the Project STILTMDL (STILLAGUAMISH TMDL) station 05TKACK (AT KACKMAN CREEK ON 252 ST NE) shows the geometric mean of 32 does not exceed the criterion and that 0 % of the samples does not exceed the percentile criterion from 1 samples collected during 2000.								
5	9239	5	N	KACKMAN CREEK	XB43NX	1.467	32N	05E	28	pH		Water
				Data from the Dept. of Ecology EIM database for the Project STILTMDL (STILLAGUAMISH TMDL) station 05TKACK (AT KACKMAN CREEK ON 252 ST NE) shows 3 excursions beyond the criterion out of 6 samples collected between 08/00 - 11/01 .								Low pH
5	6456	5	Y	LITTLE DEER CREEK	EX67XM	0	34N	07E	35	Temperature		Water
				Department of Ecology unpublished data from the Stillaguamish TMDL Study shows a 7-day mean of daily maximum values of 20.9 for week ending 15 August 2001 at station 05LD01 (Little Deer at mouth).								
				Sullivan, et al. 1990, 15 excursions beyond the criterion during 8/88.								
5	9781	5	N	MARCH CREEK	WI88QF	0	31N	05E	09	Fecal Coliform		Water
				Data from the Dept. of Ecology EIM database for the Project STILTMDL (STILLAGUAMISH TMDL) station 05TMARSH (MOUTH OF MARCH CREEK) shows the geometric mean of 799 exceeds the criterion and that 75 % of the samples exceeds the percentile criterion from 8 samples collected during 2001. Data from the Dept. of Ecology EIM database for the Project STILTMDL (STILLAGUAMISH TMDL) station 05TMARSH (MOUTH OF MARCH CREEK) shows the geometric mean of 48 does not exceed the criterion and that 0 % of the samples does not exceed the percentile criterion from 1 samples collected during 2000.								
5	9784	5	N	MILLER CREEK	KX60NO	0	32N	04E	32	Fecal Coliform		Water
				Data from the Dept. of Ecology EIM database for the Project STILTMDL (STILLAGUAMISH TMDL) station 05TMILLR (MOUTH OF MILLER CREEK) shows the geometric mean of 1282 exceeds the criterion and that 100 % of the samples exceeds the percentile criterion from 5 samples collected during 2001. Data from the Dept. of Ecology EIM database for the Project STILTMDL (STILLAGUAMISH TMDL) station 05TMILLR (MOUTH OF MILLER CREEK) shows the geometric mean of 123 exceeds the criterion and that 50 % of the samples exceeds the percentile criterion from 2 samples collected during 2000.								

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5	15559	5	N	OLD STILLAGUAMISH RIVER Stillaguamish Tribe unpublished data shows a 7-day mean of daily maximum values of 24.8 at the station 145 (Old Stillaguamish Channel @ Florence) in 2001.	QE93BW	7.009	32N	04E	29	Temperature		Water
5	15560	5	N	OLD STILLAGUAMISH RIVER Stillaguamish Tribe unpublished data shows a 7-day mean of daily maximum values of 23.24 at the station 90 (Old Stillaguamish Channel @ Peterson Bridge) in 2001. Stillaguamish Tribe unpublished data shows a 7-day mean of daily maximum values of 22.41 at the station 135 (Old Stillaguamish Channel above Hatt Slough) in 2001.	QE93BW	7.111	32N	04E	32	Temperature		Water
5	8230	5	N	OLD STILLY CHANNEL, WEST PASS Data from the Dept. of Ecology EIM database for the Project STILTMDL (STILLAGUAMISH TMDL) station 05TWEST (WEST PASS AT HWY 532 BR) shows the geometric mean of 189.32 exceeds the criterion and that 2 of 6 samples (33.3%) exceeded the percentile criterion in year 2001.	XF13JD	0	32N	03E	99	Fecal Coliform	Basis updated on 3/24/05. Information was inaccurate and truncated. No change to category.--cb	Water
5	9789	5	N	PILCHUCK CREEK Data from the Dept. of Ecology EIM database for the Project STILTMDL (STILLAGUAMISH TMDL) station 05TPILCH (PILCHUCK CREEK @ JACKSON GULCH RD) shows the geometric mean of 76 does not exceed the criterion and that 12 % of the samples exceeds the percentile criterion from 8 samples collected during 2000. Data from the Dept. of Ecology EIM database for the Project STILTMDL (STILLAGUAMISH TMDL) station 05TPILCH (PILCHUCK CREEK @ JACKSON GULCH RD) shows the geometric mean of 144 exceeds the criterion and that 25 % of the samples exceeds the percentile criterion from 4 samples collected during 2001. Snohomish County unpublished data from station PILC (NEAR MOUTH ON JACKSON GULCH ROAD) shows a geometric mean of 26 cfu/100mL with 29% of samples exceeding the percentile criterion from 7 samples collected in 2002. Snohomish County unpublished data from station PILC (NEAR MOUTH ON JACKSON GULCH ROAD) shows a geometric mean of 67 cfu/100mL with 27% of samples exceeding the percentile criterion from 11 samples collected in 2000. Snohomish County unpublished data from station PILC (NEAR MOUTH ON JACKSON GULCH ROAD) shows a geometric mean of 50 cfu/100mL with 18% of samples exceeding the percentile criterion from 11 samples collected in 1998. Snohomish County unpublished data from station PILC (NEAR MOUTH ON JACKSON GULCH ROAD) shows a geometric mean of 23 cfu/100mL with 8% of samples exceeding the percentile criterion from 12 samples collected in 1999. Snohomish County unpublished data from station PILC (NEAR MOUTH ON JACKSON GULCH ROAD) shows a geometric mean of 28 cfu/100mL with 0% of samples exceeding the percentile criterion from 12 samples collected in 2001.	VJ74AO	0.155	32N	05E	31	Fecal Coliform		Water
5	6447	5	N	PILCHUCK CREEK Department of Ecology unpublished data from the Stillaguamish TMDL Study shows a 7-day mean of daily maximum values of 20.8 for week ending 15 August 2001 at station 05P04 (Pilchuck Creek blw Bear C).	VJ74AO	25.759	33N	06E	17	Temperature		Water
5	6448	5	N	PILCHUCK CREEK Department of Ecology unpublished data from the Stillaguamish TMDL Study shows a 7-day mean of daily maximum values of 21.5 for week ending 15 August 2001 at station 05P02 (Pilchuck Creek at SR9).	VJ74AO	7.78	32N	05E	16	Temperature		Water

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5	6449	5	Y	PILCHUCK CREEK Department of Ecology unpublished data from the Stillaguamish TMDL Study shows a 7-day mean of daily maximum values of 21.7 for week ending 15 August 2001 at station 05P01 (Pilchuck Creek at I-5). Data from the Dept. of Ecology EIM database for the Project STILTMDL (STILLAGUAMISH TMDL) station 05TPILCH (PILCHUCK CREEK @ JACKSON GULCH RD) shows 0 excursions beyond the criterion out of 13 samples collected between 08/00 - 11/01.	VJ74AO	0.155	32N	05E	31	Temperature		Water
5	6450	5	N	PILCHUCK CREEK Department of Ecology unpublished data from the Stillaguamish TMDL Study shows a 7-day mean of daily maximum values of 22.4 for week ending 15 August 2001 at station 05P03 (Pilchuck Creek blw Crane).	VJ74AO	17.203	33N	05E	27	Temperature		Water
5	8638	5	Y	PORTAGE CREEK Plotnikoff and Michaud, 1991. Turbidity standards were exceeded at RM 3.7 during the wet season in 1989.	OT80TY	4.938	31N	05E	17	Turbidity		Water
5	8639	5	Y	PORTAGE CREEK Plotnikoff and Michaud, 1991. Turbidity standards were exceeded at RM 7.3 during both the dry and wet season in 1989.	OT80TY	11.548	31N	05E	11	Turbidity		Water
5	8231	5	N	SOUTH PASS SLOUGH Data from the Dept. of Ecology EIM database for the Project STILTMDL (STILLAGUAMISH TMDL) station 05TSOUTH (SOUTH PASS) shows the geometric mean of 50 exceeds the criterion and that 100 % of the samples exceeds the percentile criterion from 21 samples collected during 2001. Data from the Dept. of Ecology EIM database for the Project STILTMDL (STILLAGUAMISH TMDL) station 05TSOUTH (SOUTH PASS) shows the geometric mean of 32 exceeds the criterion and that 100 % of the samples exceeds the percentile criterion from 2 samples collected during 2000.	UJ01AO	0	32N	03E	99	Fecal Coliform		Water
5	6452	5	N	STILLAGUAMISH RIVER Department of Ecology unpublished data from the Stillaguamish TMDL Study shows a 7-day mean of daily maximum values of 21.4 for week ending 15 August 2001 at station 05M02 (Mainstem Stilly at Larson).	KP14NJ	0	31N	04E	02	Temperature		Water
5	6453	5	N	STILLAGUAMISH RIVER Department of Ecology unpublished data from the Stillaguamish TMDL Study shows a 7-day mean of daily maximum values of 21.8 for week ending 15 August 2001 at station 05M03 (Mainstem Stilly at Norman).	QE93BW	17.221	31N	04E	02	Temperature		Water

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				Basis						Remarks	
5	6565	5	Y	STILLAGUAMISH RIVER	QE93BW	23.077	31N	05E	06	Temperature	Water
Dept. of Ecology unpublished data from core ambient monitoring station 05A070 (Stillaguamish R. near Silvana) shows a 7-day mean of daily maximum values of 21.6 for mid-week 12 August 2001.											
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 05A070 (STILLAGUAMISH RIVER NEAR SILVANA) shows 4 excursions beyond the criterion out of 61 samples collected between 1993 - 2001											
Data from the Dept. of Ecology EIM database for the Project STILTMDL (STILLAGUAMISH TMDL) station 05TPILUP (UPSTREAM OF PILCHUCK CREEK MOUTH) shows 0 excursions beyond the criterion out of 1 samples collected between 08/00 - 11/01.											
Data from the Dept. of Ecology EIM database for the Project STILTMDL (STILLAGUAMISH TMDL) station 05TMS11 (MAIN STILLY CHANNEL AT I-5 BRIDGE) shows 1 excursions beyond the criterion measured on these dates: 01/07/12,											
5	7244	5	Y	STILLAGUAMISH RIVER	QE93BW	35.996	31N	05E	02	Temperature	Water
Snohomish County unpublished data from station MSAR (AT HIGHWAY 9 BRIDGE NEAR ARLINGTON) show excursions beyond the criterion from measurements collected in 1998.											
reassessment.											
Thornburgh, 1996, 3 excursions beyond criterion out of 38 samples (8%) at station MSAR between 1992 and 1997.											
Unpublished data from the Dept. of Ecology EIM database for the Project STILTMDL (STILLAGUAMISH TMDL) station 05TCONFL (CONFLUENCE OF N AND S											
reference.											
STILLY FORKS) shows 1 excursions beyond the criterion measured on this date: 01/07/11.											
Unpublished data from the Dept. of Ecology EIM database for the Project STILTMDL (STILLAGUAMISH TMDL) station 05TMIXZO (MIXING ZONE OF N AND S											
study											
STILLY FORKS) shows 1 excursions beyond the criterion measured on this date: 01/07/11.											
and monitoring indicates the status of the water.											
5	6446	5	N	STILLAGUAMISH RIVER, N.F.	WO38NV	0	31N	05E	02	Temperature	Water
Department of Ecology unpublished data from the Stillaguamish TMDL Study shows a 7-day mean of daily maximum values of 22.1 for week ending 15 August 2001 at station 05NF02 (N.F. Stilly abv Cicero br).											
Stillaguamish Tribe unpublished data shows a 7-day mean of daily maximum values of 21.69 at the station 119 (N.F. Stillaguamish (Twin Rivers Park) (Thermograph site)) in 2001.											
Data from the Dept. of Ecology EIM database for the Project STILTMDL (STILLAGUAMISH TMDL) station 05TNFTWI (N FORK STILLY @ TWIN RIVERS PARK) shows 1 excursions beyond the criterion measured on these dates: 01/07/11,											
5	6457	5	N	STILLAGUAMISH RIVER, N.F.	WO38NV	54.765	32N	09E	10	Temperature	Water
Department of Ecology unpublished data from the Stillaguamish TMDL Study shows a 7-day mean of daily maximum values of 18 for week ending 15 August 2001 at station 05NF06 (N.F. Stilly nr FR28).											
5	6458	5	N	STILLAGUAMISH RIVER, N.F.	WO38NV	60.643	33N	09E	22	Temperature	Water
Department of Ecology unpublished data from the Stillaguamish TMDL Study shows a 7-day mean of daily maximum values of 19.6 for week ending 15 August 2001 at station 05NF07 (N.F. Stilly abv Crevice C).											

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5	6567	5	N	STILLAGUAMISH RIVER, N.F. Dept. of Ecology unpublished data from core ambient monitoring station 05B070 (Stillaguamish R. N.F. at Cicero) shows a 7-day mean of daily maximum values of 20.7 for mid-week 12 August 2001.; Hallock (2001) Dept. of Ecology Ambient Monitoring Station 05B070 (N) shows 0 excursions beyond the criterion out of 50 samples collected between 1993 - 2001 Data from the Dept. of Ecology EIM database for the Project STILTMDL (STILLAGUAMISH TMDL) station 05TNFCIC (NORTH FORK STILLY @ CICERO BRIDGE) shows 0 excursions beyond the criterion out of 9 samples collected between 08/00 - 11/01 .	WO38NV	15.141	32N	06E	15	Temperature		Water
5	6568	5	N	STILLAGUAMISH RIVER, N.F. Dept. of Ecology unpublished data from core ambient monitoring station 05B110 (Stillaguamish R. N.F. near Darrington) shows a 7-day mean of daily maximum values of 18.2 for mid-week 12 August 2001.; Hallock (2001) Dept. of Ecology Ambient Monitoring Station 05B110 (N. FORK STILLAGUAMISH NEAR DARRINGTON) shows 0 excursions beyond the criterion out of 49 samples collected between 1993 - 2001	WO38NV	47.792	32N	09E	07	Temperature		Water
5	15567	5	N	STILLAGUAMISH RIVER, N.F. Stillaguamish Tribe unpublished data shows a 7-day mean of daily maximum values of 20.04 at the station 14 (NF Stillaguamish @ Whitman Bridge) in 2001. Data from the Dept. of Ecology EIM database for the Project STILTMDL (STILLAGUAMISH TMDL) station 05TNFWHI (N FORK STILLY @ WHITMAN BRIDGE) shows 0 excursions beyond the criterion out of 10 samples collected between 08/00 - 11/01 .	WO38NV	26.448	32N	07E	10	Temperature		Water
5	15572	5	N	STILLAGUAMISH RIVER, N.F. Stillaguamish Tribe unpublished data shows a 7-day mean of daily maximum values of 18.62 at the station (NF Stillaguamish at C-Post bridge) in 2001.	WO38NV	33.737	32N	08E	06	Temperature		Water
5	15912	5	N	STILLAGUAMISH RIVER, N.F. Hallock, 2002. shows 33 excursions beyond the criterion out of 56 samples collected between 1992 and 2001 derived by the difference between the upstream station 05B110 (NF Stillaguamish nr Darring.) and the downstream station 05B070 (NF Stillaguamish @ Cicero).	WO38NV	15.141	32N	06E	15	Turbidity		Water
5	6451	5	N	STILLAGUAMISH RIVER, S.F. Department of Ecology unpublished data from the Stillaguamish TMDL Study shows a 7-day mean of daily maximum values of 22.1 for week ending 15 August 2001 at station 05SF02 (S.F. Stilly at River Mead).	SN06ZT	7.659	31N	06E	18	Temperature		Water
5	6459	5	N	STILLAGUAMISH RIVER, S.F. Department of Ecology unpublished data from the Stillaguamish TMDL Study shows a 7-day mean of daily maximum values of 21.3 for week ending 15 August 2001 at station 05SF05 (S.F. Stilly at Verlot). Stillaguamish Tribe unpublished data shows a 7-day mean of daily maximum values of 20.93 at the station 166 (S.F. Stillaguamish at Bridge above Benson Creek) in 2001.	SN06ZT	45.236	30N	08E	16	Temperature		Water

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5	6460	5	N	STILLAGUAMISH RIVER, S.F.	SN06ZT	42.604	30N	08E	08	Temperature		Water
Department of Ecology unpublished data from the Stillaguamish TMDL Study shows a 7-day mean of daily maximum values of 23.4 for week ending 26 July 2001 at station 05SF04 (S.F. Stilly at Robe).												
5	6566	5	Y	STILLAGUAMISH RIVER, S.F.	SN06ZT	0	31N	05E	02	Temperature		Water
Dept. of Ecology unpublished data from core ambient monitoring station 05A090 (Stillaguamish R. S.F. at Arlington) shows a 7-day mean of daily maximum values of 22.6 for mid-week 12 August 2001.; Hallock (2001) Dept. of Ecology Ambient Monitoring Station 05A090 (N) shows 2 excursions beyond the criterion out of 50 samples collected between 1993 - 2001												
Data from the Dept. of Ecology EIM database for the Project STILTMDL (STILLAGUAMISH TMDL) station 05TSFTWI (S FORK STILLY @ TWIN RIVERS PARK) shows 1 excursions beyond the criterion measured on these dates: 01/07/11,												
Stillaguamish Tribe unpublished data shows a 7-day mean of daily maximum values of 22.54 at the station 115 (S.F. Stillaguamish (Twin Rivers Park) (Thermograph site)) in 2001.												
5	10587	5	Y	STILLAGUAMISH RIVER, S.F.	SN06ZT	26.213	30N	07E	07	Temperature		Water
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 05A110 (S. FORK STILLY NEAR GRANITE FALLS) shows 3 excursions beyond the criterion out of 49 samples collected between 1993 - 2001 measured on these dates: 95/07/18, 96/07/23, 97/08/18,												
5	40865	5	Y	SUNDAY LAKE	350KXK	32N	04E	26		Total Nitrogen		Water
Rector, 1996, describes impairment of aesthetic uses (odor and excessive aquatic plants) and fisheries. The lake productivity is limited by nitrogen in the spring and phosphorus in the summer. The reference identifies nutrient sources from septic systems, lakeshore lawn fertilizing, logging and agricultural practices in the watershed.												
5	8637	5	Y	SUNDAY LAKE	350KXK	32N	04E	26		Total Phosphorus		Water
Rector, 1996, describes impairment of aesthetic uses (odor and excessive aquatic plants) and fisheries. The lake productivity is limited by nitrogen in the spring and phosphorus in the summer.											While the lake productivity is limited by both nitrogen and phosphorus, only phosphorus is listed as the favored nutrient to control algal biomass in freshwater. Since atmospheric nitrogen can be fixed by eutrophic algal species, the strategy of managing total phosphorus is the preferred management option supported in the literature. Smohomish County's 2003 State of the Lakes Report identifies the lake as "impaired" and in need of restoration because of the nuisance algae and excessive aquatic plants. Summer epilimnetic total phosphorus concentrations are often exceeding 40 ug/l, hypolimnion values often exceed 100ug/l. The lake suffers from regular, nuisance algal blooms in response to elevated nutrient levels.	
Sumioka and Dion (1985) show a summer epilimnetic total phosphorus concentration of 17 ug/L derived from the reported Carlson's Trophic State Index value which does not exceed the water quality standards nutrient criterion for the Puget Lowlands Ecoregion.												

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5	8227	5	N	UNNAMED CREEK	IE90YH	0.004	31N	04E	07	Fecal Coliform		Water
				Data from the Dept. of Ecology EIM database for the Project STILTMDL (STILLAGUAMISH TMDL) station 05TWARUP (UPSTREAM OF EFFLUENT AT WARM BEACH) shows the geometric mean of 54 does not exceed the criterion and that 27 % of the samples exceeds the percentile criterion from 11 samples collected during 2001.								
				Data from the Dept. of Ecology EIM database for the Project STILTMDL (STILLAGUAMISH TMDL) station 05TWARUS (ABOVE STABLES AT WARM BEACH) shows the geometric mean of 49 does not exceed the criterion and that 0 % of the samples does not exceed the percentile criterion from 1 samples collected during 2001.								
5	43046	5	N	UNNAMED CREEK	IE90YH	0.004	31N	04E	07	Fecal Coliform		Water
				Data from the Dept. of Ecology EIM database for the Project STILTMDL (STILLAGUAMISH TMDL) station 05TWARSL (WARM BEACH POND TO SLOUGH) aka WARM BEACH shows the geometric mean of 220.78 exceeds the criterion and that 6 of 10 samples (60.0%) exceeded the percentile criterion in year 2001.								